

CLAIMS

1. A method of determining the amount of signal power and interference power in a received signal, the received signal having a wanted signal and a plurality of interfering signals, the method comprising the steps of:
 - 5 a) selecting a plurality of first known structures in the wanted signal;
 - b) processing the received signal in accordance with said plurality of first known structures to derive a set of amplitude values corresponding to the said first known structures; and
 - 10 c) using the set of amplitude values to determine the power level for at least a portion of the received signal.
2. A method according to claim 1, wherein step a) includes identifying said plurality of first known structures using a further known structure within the wanted signal.
3. A method according to claim 2, wherein and step a) includes identifying
15 locations of a further structure within the wanted signal, and using the identified locations to derive the locations of said plurality of first known structures.
4. A method according to claim 2, wherein said plurality of first known structures comprises Frequency Correction Bursts.
- 20 5. A method according to claim 3, wherein said further known structure comprises sync bursts.
6. A method according to any one of claims 2 to 5, wherein the step of identifying said plurality of first known structures includes using pointers selected by said further known structure.
- 25 7. A method according to claim 6, wherein said pointers are stored in a look-up table, and step a) includes using said pointers to select said plurality of first known structures in said received signal.

- 10 -

8. A method according to any one of the preceding claims, wherein step b) comprises correlating the received signal with said selected plurality of first known structures to derive said amplitude values.
9. A method according to any one of the preceding claims, wherein step c) comprises determining mean and variance values for said amplitude values.
10. A method according to any one of the preceding claims, wherein step c) further comprises using calibration factors to produce an absolute power value for the wanted signal.
- 10 11. A method according to claim 10, wherein step c) further comprises using said calibration factors to produce an absolute power value for the interfering signals.